DAVID Y. IGEGOVERNOR OF HAWAII



VIRGINIA PRESSLER, M.D. DIRECTOR OF HEALTH

In reply, please refer to: File:

JOINT ADVISORY BOARD: NEUROTRAUMA & STATE TRAUMATIC BRAIN INJURY ADVISORY BOARD (NTAB & STBIAB)

MEETING MINUTES

DATE: February 1, 2018

Present: Albert Burian, Rita Manriquez, Stephanie Yee, Lisa Dau

Excused: William Rodrigues, Kawena Young, Mary Wilson

Others: Lyna Burian, Brain Injury Association of Hawaii (BIA); Violet

Horvath, Director of Pacific Disabilities Center (PDC); Tomoko

Hotema, PDC; Dylan Arrieta, PDC; Terry Jasper Jr., PDC; Dan Galanis, Department of Health (DOH); Nicholas Hines, DOH; Bridget Velasco, DOH; Troy Furutani, University of Manoa (UH)-HCAMP; Allison

Tsuchida, UH-HCAMP; Brien Ing, UH-HCAMP; Dr. Matthew Koenig,

Queen's Medical Center

DOH Staff: Curtis Inouye, Neurotrauma Supports; Chelsea Ko, Neurotrauma

Supports; Cristina Valenzuela, Neurotrauma Supports, Wendie Lino,

Community Alternatives Section Supervisor

I. Speaker: Dan Galanis

A. Report on Neurotrauma Statistics

Epidemiologist Dan Galanis of the Department of Health (DOH) injury prevention and control section presented a statistical overview on Neurotrauma in Hawaii regarding traumatic brain injury (TBI), spinal cord injury (SCI), and stroke.

In summary, Dr. Galanis states that there are roughly 13,600 TBI occurrences each year, with increasing numbers stemming from emergency room visits. Risks are noticeably higher on O'ahu in toddlers, teens, and seniors. Seniors are the leading age group amongst those hospitalized due to unintentional falls. SCIs account for 165 admittances each year, showing higher risks on the neighbor islands at a progressive rate across age range. The Hawaii Stroke registry reported 2,740 people per year as having stroke. Statistics show that only half of patients are being transported by EMS. Studies have found that recognizing the signs of stroke during dispatch increased patient level of survival. For more information, please see attached Neurotrauma Statistics report.

II. Contract Overview

A. Head Neck Spine

The Head Neck Spine project is an online curriculum geared to educating middle school students on the seriousness of head, neck, and spinal cord injuries. It was created to meet the Hawaii Content Performance Standards III and certain learning objectives for health. Objectives include knowledge, advocacy, interpersonal communication, and an analysis of different resources.

Per Allison Tsuchida of the Hawaii Concussion Awareness Management Program (HCAMP), they have completed five modules with three more modules, in progress, which will complete the online curriculum. HCAMP is working with the Department of Education (DOE) to identify teachers who can help to validate the content and ensure the standards are being met. They are also in the progress of creating a teacher's manual for the curriculum. HCAMP is looking to launch the project during the next school year in Fall 2018. For more information, please see attached Project Head, Neck, Spine report.

B. Neurotrauma Registry

The purpose of the Neurotrauma registry is to assist DOH in identifying resources and support needed by traumatic brain injury (TBI), spinal cord injury (SCI), and stroke survivors, help educate service providers, and develop safety and prevention plans and policies. Dr. Violet Horvath of the Pacific Disabilities Center (PDC) reiterated the three goals of the neurotrauma registry project: 1) to encourage TBI survivors to take the survey, 2) provide education to the general public and professionals statewide about neurotrauma injury and registry, and 3) provide free

information and referral service to the public. For more information, please see attached HNTR Joint Meeting Presentation.

C. Stroke Network

Dr. Matthew Koenig of Queen's Medical Center (QMC) provided an overview of the tele-stroke project-

Stroke and tPA:

- Stroke is the number one cause of chronic disability in adults and the number three cause of death in Hawaii.
- tPA is the only FDA approved treatment for acute stroke and must be administered within 4.5 hours of symptoms.
- The standard of care is the initiation of tPA within 60-mintues of patient's arrival to the ER.

Stroke treatment:

- Low tPA utilization in Hawaii at start of the project in 2010
- Delays in treatment time
- High variability in tPA utilization among Hawaii hospitals due in part to inconsistent neurology coverage

Hub and spoke models:

- Neurologists available 24/7/365 for teleconsultation at central location
- Provide service to multiple hospitals (spokes) for acute stroke tPA decisions
- Empower hospitals to administer tPA and manage patients after tPA

The tele-stroke grant, issued by the DOH Neurotrauma special funds, provided the means for tele-medicine equipment, ongoing technical support, bandwidth rentals, public education, travel expenses for site visits and provider education. It also includes a sustainability plan with subscription-based business model after the public support ends.

The tele-stroke contract ends on June 1, 2019, pending a contract modification. For more information, please see attached DOH Telestroke report.

- III. Call to Order-Advisory Board Meeting— Meeting was called to order by Neurotrauma Advisory Board Chair, Scott Sagum. Quorum present.
- IV. Approval of Minutes from the July 20, 2017 meeting Board Member Rita Manriquez made a motion to accept the Minutes as written. Board Member Stephanie Yee seconded the motion. All Board Members present voted in favor of minutes being accepted as written. No questions or discussions.
- V. **Review of Agenda** All Board Members present voted in favor of accepting the agenda as written. No questions or discussions.

VI. New Business

A. Neurotrauma Strategic Plan: Implementation

The Neurotrauma Supports staff is asking for continued involvement during the implementation phase by providing feedback and serving on committees aimed to accomplish the three goals of the Neurotrauma strategic plan. During the meeting, there were three individual objectives highlighted that requested feedback from all those that attended to answer the following questions: 'Who should be involved?' and 'Ideas/Suggestions.' The highlighted objectives are as follows:

- Goal 1/Objective 1.3: Increase awareness and knowledge on Neurotrauma and identification among disability and health care providers
- Goal 2/Objective 2.1: Increase data reporting to obtain a more accurate assessment of the needs of individuals
- Goal 3/Objective 3.1: Research to identify and expand the database of services and supports currently available in order to link survivors of Neurotrauma and family members to resources

VII. Old Business

- A. Hawaii Islands Regional Stroke Network Update: (refer to Contract Overview on page 1)
- B. Update on Brain Injury Awareness Month March 2018 Update:

DOH staff is currently working to launch the Unmasking Brain Injury project during Brain Injury Awareness month. They have already conducted two community mask events, with one more event scheduled for February 4, 2018. Currently, ten masks have been created and completed by TBI survivors. Masks will be displayed at three different locations: Rehabilitation Hospital of the Pacific, Pearlridge Center, and the State Capitol.

Per Dr. Horvath of PDC, they are currently requesting rights to show the movie 'Concussion' that will be made free to the public and are searching for a speaker to talk about brain injury before the showing.

C. Pacific Disabilities Center (PDC)-Hawaii Neurotrauma Registry (HNTR) Update:

HNTR and DOH met with Laura Rachal, Director of Oahu Heart and Stroke Walk, to discuss HNTR's possible participation in the Oahu, Hilo, and Maui Heart and Stroke Walks in 2018 and ways the organizations could work together. HNTR plans to do more presentations for organizations, such as Meals on Wheels. Contact PDC to provide contact information on organizations that may be interested in learning more about the registry. For March Brain Injury Awareness month, PDC is planning to show the movie, Concussion and have speakers provide information about brain injury. PDC is working on copyright permission for the movie. Event will be free to public, will have popcorn and light refreshments. For more information, please see HNTR Update Report.

D. Brain Injury Association (BIA) of Hawaii Update:

BIA is currently going through a re-organization of its board. Current BIA members are able to nominate other board members to be on their advisory board. Non-members interested in joining BIA will pay the following fee: \$10 for individuals and \$25 for professionals. No other updates.

E. Neighbor Island TBI Activities:

Neurotrauma Supports will be travelling to Kauai on February 14th to provide the Brain Injury Group (BIG) with information on the Unmasking Brain Injury Project.

No other updates.

F. DOH Update:

Neurotrauma Supports will be collaborating with Nicholas Hines of EMS/DOH to update the Neurotrauma strategic plan. No other updates.

VIII. Announcements

- A. Brain Injury Association of Hawaii (BIA):
 - 1) Support Group and Educational Meetings
 - a. First Saturdays, 1-3 p.m., 2nd and 3rd Wednesdays, 6-8p.m., Rehabilitation Hospital of the Pacific, Wo Conference Room #4.

IX. Next Meeting:

Date: March 15, 2018

Location: Kinau Hale, Room #329 and via Zoom

https://zoom.us/j/606524903

Time: 1:30 p.m. to 4:00 p.m.

Meeting Adjourned at 3:00 p.m.

UNIT OBJECTIVES

Accidents often happen unexpectedly and unintentionally. These incidents can result in traumatic and life changing injuries.

Throughout this learning experience you will learn more about head, neck and spine injuries, anatomy or the brain, neck, and spine, risk factors, prevention, treatment, and advocacy of injuries to the head, neck, and spine. We will start off with an overview of injuries and how they happen.

- Students will be able to recognize risky behavior that can lead to head, neck, and spine injuries.
- Students will understand that in some cases risky behavior can result in life-altering consequences.

MATERIALS NEEDED

Internet-connected device (tablet, laptop)

Module 1 handout

LESSON OVERVIEW

Traumatic injuries often happen unexpectedly

- » Traumatic/life changing injuries often happen unexpectedly.
- » Head, neck, and spine injuries can change your life on a temporary or permanent basis.
- » Proper precautions, awareness, and education can decrease risk of life altering injuries.

Risky behavior

- » Risky behavior is any behavior with uncertainty about its outcome.
- » Avoiding risky behavior in your daily life will help to lower your risk of intentional and unintentional injury.

Intentional versus unintentional injuries

- » Intentional injuries result from acts of violence that cause harm to others or one's self.
- » Unintentional injuries, on the other hand, are most often the result of accidents or risky behavior.

Avoiding injury

- » Staying informed
- » Knowing our limits
- » Being aware of our surroundings
- » Practicing good decision making
- » Using good judgment rather than following others

Module cumulative evaluation

» Total of 14 questions

TAKE HOME

NOTES/FURTHER DISCUSSION

Module 1 handout

- 1. Review fasts facts handout with parent/guardian at home.
- 2. List ten (10) examples of potential risky behaviors.
- 3. Draw an example and include a brief text description of one of the activities lis that could be considered a risky behavior.
- 4. Get parent/guardian signature, detach and return.

Module 1: Accidents happen PROJECT: HEAD, NECK, SPINE **FAST FACTS** Traumatic injuries often happen unexpectedly Intentional versus unintentional injuries » Traumatic/life changing injuries often happen » Intentional injuries result from acts of violence that cause harm to others or one's self. unexpectedly. » Head, neck, and spine injuries can change » Unintentional injuries, on the other hand, are your life on a temporary or permanent basis. most often the result of accidents or risky » Proper precautions, awareness, and education behavior. can decrease risk of life altering injuries. **Avoiding injury** Risky behavior » Staving informed » Risky behavior is any behavior with uncertainty » Knowing limits » Being aware of surroundings about its outcome. » Avoiding risky behavior in your daily life will » Practicing good decision making help to lower your risk of intentional and unin-» Using good judgment rather than following tentional injury. others DETACH AND RETURN List ten examples of potential risky behaviors, then draw an example and include a brief text description of one of the activities you listed that could be considered a risky behavior. 2.

My child and I have discussed what risky behaviors are and how injuries can be avoided.

9.

10.

Signature	Date	



Hawai'i Neurotrauma Registry Project (HNTR) Report for the State Traumatic Brain Injury Advisory Board (STBIAB) May 9, 2018, 1:30 — 4:00 pm

Report Outline

- 1. Registry Recruitment and Survey Updates
- 2. Community Education Events and Presentations
- 3. Information and Referrals
- 4. Media and Marketing
- 5. Miscellaneous

The three main goals of the Hawaii Neurotrauma Registry Project are:

- Recruit Hawaii residents on all islands and of all ages with neurotrauma injuries to take a voluntary survey on their injuries and post-injury circumstances
- 2. Provide education to the general public and professionals on all islands about neurotrauma injuries and the Registry
- 3. Offer an Information and Referral service to Hawaii residents with neurotrauma injuries and their family members, caregivers, and other supports

Information gathered from the surveys assists the Department of Health in identifying the community supports and services needed by neurotrauma injury survivors, helps to educate service providers, and helps to develop safety and prevention plans and policies.

Registry Recruitment

Year	Time Period	Number	
		of Unique	
		Persons	
1	March 21, 2013 – March 20, 2014	40	
2	March 21, 2014 – March 20, 2015	57	
3	March 21, 2015 – March 20, 2016	43	
4	March 21, 2016 – March 20, 2017	54	
5	March 21, 2017 – March 19, 2018	53	
6	March 20, 2018 – April 30, 2018	6	
	Total	253	

Registry Surveys

Five people completed the survey in March 2018. Four of the five were referrals from The Queen's Medical Center and Rehabilitation Hospital of the Pacific for Information and Referral services. The fifth was completed by the spouse or partner of someone who had an ischemic stroke.

Four people joined in April 2018 – two who have had traumatic brain injuries and one who had a stroke. (This information is missing for the fourth person.) Three reside on Oahu and one is a resident of Hawai'i Island.

Variable	Attribute	Number
Gender	Males	123
	Females	128
	Missing	2
Who completed the survey		35
	Parent of person with NT injury	2
	Child of person with NT injury	3
	Spouse / Partner / Significant Other of person with	1
	NT injury	
	Sibling of person with NT injury	
	HNTR Staff	17
Location	Oahu	218
	Hawai'i	25
	Kauai	3
	Maui	5
	Washington State	1
	Missing	1

ТВІ	Includes first, second, or third TBI, concussion, or	126
	head injury	
ABI	Includes first, second, or third ABI	23
Stroke	Type not distinguished	8
Stroke – Hemorrhagic	Includes first, second, or third hemorrhagic stroke	41
Stroke – Ischemic	Includes first, second, or third ischemic stroke	78
SCI	Includes first, second, or third SCI	39
Missing		5
Other		13
How heard about HNTR	Presentation (unnamed presentation)	24
	Brain Injury Association of Hawai'i	3
	Pacific Head Injury Support Group	4
	Rehab Hospital Stroke Club	28
	Rehab Hospital Stroke Vendor Fair	2
	Table at Event (unnamed event)	25
	Senior Fair	1
	SPIN	1
	Taking Care of Your Diabetes event	1
	HTNR Information and Referral Services	1
	Physician / Hospital / Clinic (unnamed)	15
	Queen's Medical Center	4
	Rehab Hospital	12
	Veteran's Administration	1
	Family or Friends	14
	Referral by Other	2
	Radio	5
	Television	1
	Internet / Google / Online	9
	Newsletter / Newspaper	13
	Generations Magazine	3
	Hawai'i Wellness Directory	1
	Island Scene Magazine (HMSA)	1
	Midweek	3
	Rehab Hospital Stroke Club Newsletter	1
	Galiher DeRobertis Waxman	1
	Going Home Plus	2
	Hawai'i Adult Day Care Center Brochure Display	1
	Maui Department of Aging	1
	Research	1
	TheBus ad campaign	3
	Work	1

Community Education – Events and Presentations

Completed Events and Presentations for March and April 2018:

- 1. Unmasking Brain Injury Project Honolulu, Oahu March 2, 2018
- 2. HPU SW 7901 Class Presentation Honolulu, Oahu March 14, 2018
- 3. Talk / movie for Brain Injury Awareness Month Honolulu, Oahu March 17, 2018
- 4. HCAMP and DOH Multisport Helmet Fitting and Giveaway at University of Hawai'i at Mānoa Honolulu, Oahu March 21, 2018
- 5. Table at sophomore nursing students' poster presentation (one poster was on TBIs) at Chaminade University Honolulu, Oahu April 12, 2018
- 6. YMCA Healthy Kids Day 2018 Camp Erdman, Oahu April 14, 2018
- 7. JABSOM Keiki Health Day Honolulu, Oahu April 14, 2018
- Presentation titled, "Domestic Violence, Concussion, and Traumatic Brain Injury" at the Institute on Violence, Abuse & Trauma's 15th Hawai'i International Summit – Honolulu, Oahu – April 18, 2018
- Poster titled, "Hidden Injuries: Domestic Violence and Concussions" at the Institute on Violence, Abuse & Trauma's 15th Hawai'i International Summit – Honolulu, Oahu – April 18, 2018
- 10. Presentation at Wilson Elementary for all of the 3rd Grade Students April 24, 2018

Completed Other for February, March, and April 2018:

- 1. Leeward Community College, March 2018 distributed brochures to key people
- 2. AARP Caregivers Conference on March 24, 2018 Provided them with 200 packets geared toward kupuna for resource table

Future Events and Presentations:

- 1. Informational table in John A. Burns School of Medicine lobby Honolulu, Oahu May 4, 2018 (all students will be on campus on this day)
- 2. Aiea High School Presentations to two Human Physiology classes Honolulu, Oahu May 10, 2018
- 3. John A. Burns School of Medicine Grand Rounds Honolulu, Oahu May 11, 2018
- 4. Presentation to Hawai'i Meals on Wheels volunteers and Plaza Assisted Living in Pearl City residents and families Honolulu, Oahu June 14, 2018
- 5. 2nd Annual Lanakila Health and Wellness Fair Honolulu, Oahu June 15, 2018
- 6. Senior Health and Fitness Fair at Hawai'i Okinawa Center June 15, 2018 (tentative)
- 7. 25th Annual Oahu Heart and Stroke Walk Honolulu, Oahu August 11, 2018 (tentative)
- 8. Presentation at Maui Family YMCA Kahului, Maui date TBA (tentative)
- 9. Presentations at YMCAs on Honolulu Honolulu, Oahu dates TBA (tentative)
- 10. Re-establishing regular attendance at Stroke Club at Rehabilitation Hospital of the Pacific, starting June 2018

In process:

- 1. Colleges and Universities
 - a. Leeward Community College have been trying for weeks to set a date for a presentation
 - b. Windward Community College have been trying for weeks to set a date for a presentation

2. K - 12

- a. Alea High School Health Program Presenting to Human Physiology classes in May 2018; also opportunities with CTE Health Services Pathway for the fall.
- b. Priory School Teen Program Had hoped to schedule for May 2018; however, the teacher we are working with had some personal issues to deal with. Will likely now take place in the fall.
- c. SEEQs School Waiting to hear from the School Events Lead. Too late for this semester; will likely be for the fall.

3. YMCAs and YWCAs

- a. YMCA of Honolulu Afterschool A+ programs, and adult groups.
- b. Maui Family YMCA Need to select a date for a presentation.
- c. YMCA of Kauai Need to follow up with them.
- d. Hawai'i Island YMCA They are in transition; need to call and see what their story is.
- e. YWCAs on Oahu No response yet regarding setting up presentations.
- 4. Fire Stations on Oahu Need to contact someone at the Administrative Office on Oahu for permission to leave brochures at fire stations.
- 5. DARE Programs Need to follow up.
- 6. Waianae Coast Comprehensive Health Center Have received application for tables at Kapolei and Waianae Farmer's Markets.
- 7. Library for the Blind and Physically Handicapped Corresponding with Interim Director to see what can be worked out.
- 8. Want to contact the people named in the two recent Honolulu Star-Bulletin articles on concussion Dr. Rachel Coel, Director of Sports Medicine at Queen's and concussion expert, Dr. Jill Inouye, Head physician for UH sports who also works at the Mānoa campus health center, Dr. Jennifer King, Kapiolani Medical Center, and Hawai'i High School Athletic Association Executive Director Christopher Chun.
- 9. Military Waiting to hear back from US Army (Warrior Transition Battalion) and US Air Force (has a clinic), will contact US Navy Medical Corps (which includes the Marine Corps), need to re-contact the Army Chaplain's assistant, waiting to hear back from our LCSW contact for the Exceptional Family Member program, US Army Regional Health Command.
- 10. Learning Rx Met the Executive Director of the Honolulu West location while at another meeting; interested in a presentation. They provide "one-on-one brain training."

Information and Referrals

Month	Total Number of I&R Contacts	Number of Unreachable I&R Contacts	Number of I&R Contacts Reached	Pieces of Information Given	How many completed the short survey?	How many completed the long survey?	How many were contacted but declined I&R?
April 2018	30	15	15		1	n/a	
March 2018	24	15	9	39	3 (50%)ª	n/a	1
February 2018	21	16	5	56	5 (100%)ª	n/a	1
January 2018	12	5	7	95	7	n/a	0
December 2017	7	0	7	78	1	n/a	0
November 2017	15	0	15	183	3	n/a	0
October 2017	18	0	14	171	3	n/a	0
September 2017	15	2	9	72	8	n/a	3
August 2017	26	10	5	66	7 (rev)	n/a	0
July 2017	16	9	3	33	2	2	4
June 2017	32	16	14	102	1	3	2
May 2017	10	4	6	56	N/A	2	0
April 2017	23	12	8	24	N/A	0	3
March 2017	12	3	9	76	N/A	1	0

^aPercentage of persons appropriate to take survey who actually took the survey in a given month. Those who were reached during the current month but who had mitigating cirumstances are not counted in this percentage.

Of the 30 referrals attempted, contact was made with 15. Seven of these individuals consented to take the survey, but as of the end of April, only one person had actually participated. Of the 15 successfully contacted, three were from the Queen's Medical Center.

Media and Marketing

As of April 30, 2018, HNTR has 61 people who are Facebook Friends or Twitter Followers.

YouTube viewing stats (Number of views since first posted through the end of April 2018):

Battlefield to Ball Field (TV) – 125 views
The Gary Galiher Law Hour (Radio) – 119 views
HNTR Interview with Rick Hamada (Radio) – 106 views
HNTR on Traumatic Brain Injury (TV) – 89 views
Joy in our Town (TV) – 64 views
What is stroke? (Webinar) – 55 views
HNTR on Stroke (TV) – 41 views
HNTR Interview on KSSK with Perry & Price (Radio) – 35 views
Conquering Concussions (PSA) – 23 views
HNTR Interview with Percy Ihara / Generations (Radio) – station lost the program

Total views = 657, up from 636 at the end of March 2018.

Instagram account – We are in the process of setting up an Instagram account.

Miscellaneous

1. Contract for March 2018 – March 2019

- a. The University of Hawai'i has the contract for the final year of the HNTR project; currently working on the compliance section
- b. How to deal with the effect of a higher fringe benefit rate on project
 - i. We have a second HPU social work practicum student, but only for a short period of time
 - ii. First HPU social work practicum student has completed his hours but is still helping out part-time until mid-June
 - iii. Checking to see if JABSOM students are required to volunteer and / or how we could advertise to them volunteer opportunities

2. Resource Manual update

- a. Draft of Oahu, Hawai'i County, and Maui County internal files were reviewed by DOH; we are incorporating their suggestions
- b. Close to finishing draft of Kauai County internal file
- c. Online version for everyone will be created from Excel files once they are complete
- d. Information by type of neurotrauma injury stroke information gathered and formatted, and needs to be proofed; spinal cord injury information gathered and needs to be formatted; working on traumatic brain injury information

3. Hiring

a. Project Assistant position (full-time) – Working on finalizing the hire

4. HNTR Reports

a. Working on annual report for period of March 20, 2017 – March 19, 2018